



UNIVERSITY OF  
TORONTO

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### CALL FOR PARTICIPATION

**STUDENT ENGAGEMENT IN THE ARTS AWARDS**  
**Nominations are sought for the inaugural Student Engagement in the Arts Awards.**  
**Musicians, artists, dancers and composers are among those eligible but those who work behind the scenes are also encouraged to apply. Submission deadline is May 7. See [www.arts.utoronto.ca/student-art-award.htm](http://www.arts.utoronto.ca/student-art-award.htm) for details.**

PICTURE PERFECT  
Winning photos on display  
— page 12

APRIL 13, 2010 63rd year, number 16

# the Bulletin

DI 08. 2008

## Groundbreaking U of T cyber-espionage report

BY LAURIE STEPHENS

**The Information** Warfare Monitor (Professor Ron Deibert's Citizen Lab at the Munk Centre for International Studies and the SecDev Group in Ottawa) and the Shadowserver Foundation released Shadows in the Cloud: An investigation into cyber espionage 2.0 April 6.

The report documents a complex ecosystem of cyber espionage that systematically targeted and compromised computer systems in India, the office of the Dalai Lama, the United Nations and several other countries.

The investigation recovered a large quantity of stolen documents — including sensitive and classified materials — belonging to government, business, academic and other computer network systems. These included documents from agencies of the Indian national security establishment and the office of the Dalai Lama. The stolen data included information voluntarily provided to Indian embassies and consulates by third-party nationals, including Canadian visa applications. Although the identity and motivation of the attackers remain unknown, the report provides evidence that the attackers operated or staged their operations from Chengdu, China.

## U of T is Best Diversity Employer

BY KARLA WOBITO

**The annual** competition for Canada's Best Diversity Employers was a successful one for U of T, named one of this year's winners for the third consecutive year.

Canada's Best Diversity Employers competition recognizes employers with exemplary workplace diversity and inclusiveness programs involving women, members of visible minorities, persons with disabilities, Aboriginal Peoples and lesbian, gay, bisexual, transgendered/transsexual and queer (LGBTQ) employees.

The competition is run by Mediabase with the assistance of specialists from the diversity consulting firm TWI, Inc. They reviewed hundreds of employer applications and selected U of T as one of Canada's leaders in workplace diversity.

"U of T is an employer that recognizes there is strength in difference," said **Andrea Carter**, employment equity and AODA (Accessibility for Ontarians With Disabilities Act) officer. "I believe that we focus on individuals' strengths and through this focus are building a more diverse workforce. Many job candidates are excited about applying to the university because of our commitment to equity."

The award honours U of T's dedication to establishing a work environment that embraces all groups of people and eliminates discrimination.

"Each of our 13 equity offices has a solid understanding of the challenges many members of our community may face and

### Summary of main findings:

- Complex cyber espionage network: Documented evidence of a cyber espionage network that compromised government, business and academic computer systems in India, the office of the Dalai Lama and the United Nations. Numerous other institutions, including

the Embassy of Pakistan in the United States, were also compromised.

- Theft of classified and sensitive documents: Recovery and analysis of exfiltrated data, including documents identified as belonging to the Indian government. They may have been

... NEW ON PAGE 4

## U OF T TO HOST RUN FOR THE CURE



TOM SANDLER

Chancellor David Peterson (centre, in pink), flanked by CBCF's Sandra Palmaro and CIBC's David McGown, kicked off the Run for the Cure announcement by leading a run from University College to Simcoe Hall.

BY KARLA WOBITO

**Students, staff and faculty** will be cheering blue and thinking pink Oct. 3 when the 19th annual Canadian Breast Cancer Foundation CIBC Run for the Cure begins and ends at King's College Circle on the St. George campus.

The new location for the Toronto run was announced at a March 31 news conference held at University College. Afterward, Chancellor **David Peterson** and cancer researcher **Ray Reilly** of pharmacy joined Varsity Blues athletes and CBCF and CIBC representatives for a symbolic run along the circle to Simcoe Hall as Varsity Blues cheerleaders urged them on.

"The run is a truly humbling and inspirational experience," said Sandra Palmaro, CEO of the Canadian Breast Cancer Foundation (Ontario Region). We couldn't be more excited about this collaboration with the University of Toronto; it will take our signature fundraising event to an exciting new level."

The run has grown to be the largest single day, volunteer-led fundraiser in Canada since it first began in 1992 at Toronto's High Park. Breast cancer affects one in nine women during their lifetimes.

"For 19 years, the Canadian Breast Cancer Foundation CIBC Run for the Cure has raised millions of dollars to support research," said President **David Naylor**. "Right here in Toronto, more than \$30 million has been granted by the foundation to breast cancer researchers in the last decade alone. And in labs and clinics across Canada, the foundation's support has led to breakthroughs in our understanding of breast cancer and

important advances in its prevention, diagnosis and treatment. Obviously, we all share the foundation's vision of a future without breast cancer. And we are proud to be hosting the run at our beautiful downtown Toronto campus."

The collaboration seems like an obvious one. U of T researchers have been awarded \$20 million in grants and fellowships for research into the diagnosis and treatment of breast cancer. Some of their achievements include determining the modifiers that can reduce the chances of the reoccurrence of breast cancer; a technology tool called DyNeMo that analyses the breast cancer tumours to determine a patient's best treatment options (Professor **Jeffrey Wrana**, PhD and graduate student **Ian Taylor**); and the discovery of a new radiolabeled form of Herceptin that is six times more effective at killing breast cancer cells than Herceptin itself (**Danny Costantini**, a foundation-funded doctoral fellow working under the supervision of Professor **Raymond Reilly**).

"The University of Toronto is an apt host of Run for the Cure not only because of the excellent research that we do on breast cancer but also because we have so many students, faculty and staff who are bound to embrace the event," said Professor **Cheryl Misak**, vice-president and provost.

Palmaro expressed her gratitude to the entire U of T community for their support.

"Thank you from the bottom of our hearts for opening your doors to the breast cancer cause."

Registration for the 2010 run officially started March 31. Those interested in signing up can do so at [www.cbcf.org](http://www.cbcf.org).

## LETTER FROM THE EDITOR

## Diversity is one ...

**of our values** at the University of Toronto and we are proud of being recognized for supporting workplace diversity for three years running, as detailed in our front-page story. In this context, diversity refers to inclusiveness — a willingness to embrace and support all groups of people, no matter their religion, ethnicity, race or sexuality. The university's Positive Space campaign (see page 6) is one example, demonstrating our community's ongoing support for the lesbian, gay, transgender and queer community. We are also willing to reach out to other communities whose experiences are far different from our own, as illustrated by pharmacy's foray into teaching in Ethiopia (see page 6) and medicine's new collaboration with the rural-focused Northern Ontario School of Medicine (see page 3).

The word diversity, however, also suggests commitment to a broad range of interests and ideas, something for which U of T is also renowned. One has only to look at the research stories on page 5 to note the curiosity that has led to findings about such varied topics as fast food and the flu vaccine.

In the classroom, too, diversity is becoming a part of many curricula as faculty members embrace service-learning. This approach takes students out of the classroom and into the wider world so they can see the concepts they study put into practice, as the urban studies students on page 7 demonstrate.

Away from the campus, our community also exhibits a diversity of interests and a curiosity in what the world has to offer, as our profiled volunteer, librarian Susanne Tabur, illustrates (see page 7). Diversity of vision is also apparent in the photos submitted for the annual *Bulletin*-eBulletin photo contest (see pages 3 and 12), which included photos of people, for example, as different as a homeless man and a graduating student jumping for joy.

Diversity is a word that frightens some people because it implies differences and differences can make us uncomfortable. Yet, they can also open doors to worlds and experiences that greatly enrich our lives. U of T's commitment to diversity is indeed, something to celebrate because it enlarges our vision.

Regards,

**Elaine Smith,**  
Editor  
[elaine.smith@utoronto.ca](mailto:elaine.smith@utoronto.ca)  
416-978-7016

# the Bulletin

EDITOR: Elaine Smith • [elaine.smith@utoronto.ca](mailto:elaine.smith@utoronto.ca)

ASSOCIATE EDITOR: Ailsa Ferguson • [ailsa.ferguson@utoronto.ca](mailto:ailsa.ferguson@utoronto.ca)

DESIGN/PRODUCTION: Caz Zvavkauskas • Diana McNally

STAFF WRITER: Jennifer Lanthier

STUDENT WRITER: Karla Wobito

ADVERTISING/DISTRIBUTION: Mavic Palanca • [mavic.palanca@utoronto.ca](mailto:mavic.palanca@utoronto.ca)

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## AWARDS &amp; HONOURS

a multidisciplinary organization that provides a forum for the exchange of ideas and promotes clinical and basic science research on the cervical spine. Fehlings was inducted as vice-president during the society's annual meeting in Salt Lake City in December.

**Professor Sender Herschorn** of surgery is the winner of the 2010 Lifetime Achievement Award of the Society of Uroynamics and Female Urology, given in recognition of significant contributions and leadership in the field of voiding dysfunction. Herschorn received the award during the society's annual meeting Feb. 23 to 27 in St. Petersburg, Fla., where he delivered the Jerry G. Blaivas lecture.

**Professor Nancy Olivieri** of pediatrics, medicine and health sciences, is the 2009 recipient of the American Association for the Advancement of Science's Scientific Freedom and Responsibility Award, presented annually to honour scientists and engineers whose exemplary actions have served to foster scientific freedom and responsibility. Olivieri was honoured for "her indefatigable determination that patient safety and research integrity come before institutional and commercial interests and for her courage in deferring these principles in the face of severe consequences." She received the award Feb. 20 during the AAAS annual meeting in San Diego, Calif.

**Professor Joel Sadavoy** of psychiatry has been selected to receive the 2010 International Federation on Ageing (IFA) President's Award, given to outstanding individuals both for lifetime achievements in the field of aging and for outstanding contributions to the federation. Founded in 1973, the federation is a point of connection and a platform for knowledge exchange for those representing the needs and interests of millions of older people across the world. Sadavoy will receive the award during IFA's May conference.

COMPILED BY AILSA FERGUSON

## FACULTY OF MEDICINE

**Professors Pamela Catton** of radiation oncology and **Wayne Gold** of medicine have been selected to receive a 2010 Canadian Association for Medical Education Certificate of Merit. Awarded annually, certificates celebrate outstanding individuals for their contributions to medical education. Winners will receive their certificates at the association's annual general meeting, held in conjunction with the 2010 Canadian Conference on Medical Education in St. John's May 1 to 5.

**Professor Michael Fehlings** of surgery has been elected vice-president and president-elect of the Cervical Spine Research Society. One of the most prestigious academic international spine societies, the Cervical Spine Research Society is

BY JENNIFER HSU

**U of T** will gain important expertise in obesity and cancer research through two new Canada Research Chairs.

"We couldn't be happier that the vital work of Professors **Tony Lam** and **Frank Sicheri** is being recognized and celebrated at a national level," said Professor **Peter Lewis**, acting vice-president (research). "As always, we're thankful to the Government of Canada for this valuable program."

Lam, a member of the Department of Physiology, has been appointed Canada Research Chair in obesity. Understanding the processes involved in obesity can offer insights into how the central nervous system reacts to high fat-induced obesity. Lam's research could lead to the eventual development of new treatments for obesity and diabetes.

Sicheri, a member of the Department of Molecular Genetics, has been named Canada Research Chair in structural principles of signal transduction. Protein kinases

are enzymes that exert regulatory control over diseases by activating and deactivating molecules that cause or prevent illnesses such as cancer. Using X-ray crystallography, Sicheri plans to uncover how the protein kinase Rad53/Chk2 is regulated to minimize the accumulation of cancer-causing mutations.

"Our government is investing in science and technology to create jobs, strengthen the economy and improve the quality of life for Canadians," said Gary Goodyear, minister of state. "The Canada Research Chairs program is helping our universities develop and attract talented people, strengthening our capacity for leading-edge research, while creating jobs and economic opportunities for Canadians now and in the future."

In addition to U of T's new chairs, 16 are being renewed. They are: **Anne Bassett** (schizophrenia genetics), **Denise Belsham** (neuroendocrinology), **Daniel Bender** (urban history), **John Dick** (stem cell biology), **Susan**

**George** (molecular neuroscience), **David Guttmann** (comparative genomics), **Randall Hansen** (immigration and governance), **David Kaplan** (cancer and neuroscience), **Young-June Kim** (complex materials), **Joel Levine** (neurogenetics), **Alberto Martin** (antibody diversification), **Peter McCourt** (plant molecular genetics), **Steven Narod** (breast cancer), **Keren Rice** (linguistics and aboriginal studies), **Lisa Robinson** (leukocyte migration in inflammation and injury) and **John Roder** (learning and memory).

"We're also very excited by the news of our CRC renewals. The work of these scholars represents clear excellence in a variety of disciplines that have a direct impact on global society. Congratulations to all of these investigators," Lewis said.

The Canada Research Chairs program was founded in 2000 to achieve research excellence in engineering, natural sciences, health sciences, humanities and social sciences. U of T has a total allocation of 249 chairs, the largest amount in all of Canada.

# New medical collaboration in the works

BY KARLA WOBITO

**The Northern** Ontario School of Medicine (NOSM) and U of T's Faculty of Medicine signed a collaboration agreement on March 25 to mark the beginning of an alliance that is bound to make an invaluable impact on the educational experience of students from both schools.

"Collaboration with NOSM offers a great opportunity for the Faculty of Medicine at U of T because we share the same core value of social responsibility but are highly complementary in our curriculum offerings," said Professor **Catharine Whiteside**, dean of the Faculty of Medicine. "The NOSM curriculum is fully integrated into the local northern communities of practice, whereas U of T medicine relies heavily on clinical teaching in the tertiary and quaternary care settings in its large, affiliated urban hospitals."

NOSM and U of T have plans to work together in areas such as undergraduate medical education electives and selectives, postgraduate medical education residency programs — community



**Professor Catharine Whiteside (left), U of T's dean of medicine; Professor Cheryl Misak, vice-president and provost; and Dr. Roger Strasser, dean of the Northern Ontario School of Medicine, see the new collaborative agreement between the two universities as a win-win situation.**

medicine and other specialties, aboriginal health, medical radiation sciences, continuing education and professional development, simulation in education and research and research in primary health care and cancer.

"A significant component of the Northern Ontario School of Medicine's social accountability mandate is to

build and cultivate relationships with organizations to facilitate common goals," said Dr. Roger Strasser, dean at NOSM. "This collaboration agreement between the Northern Ontario School of Medicine and the University of Toronto Faculty of Medicine will allow us to pursue education and research initiatives and opportunities that

maximize the positive impact our organizations are having on the populations we serve."

The faculties will work together by exchanging their resources and expertise in order to establish a medical education experience of the highest standards.

"We have very good video conferencing and webcasting, so we can share our lectures

with NOSM," said Whiteside. "In fact, we are about to open our satellite in Mississauga in 2011 and will employ video-conferencing technology [to connect students at St. George and Mississauga]."

Whiteside said both schools will provide experiences for each other's health professional students and trainees that would not have been available before the collaboration.

"We can offer opportunities in Toronto that would not have been available for trainees at NOSM, such as emergency and risk obstetrical care, and what NOSM can offer to us is practice experience in rural communities," said Whiteside.

"The downtown hospitals are terrific, the best in the world, but they can't give the experience that the Northern Ontario School of Medicine can, for instance, in the remote aboriginal communities."

Whiteside hopes that other universities will explore the possibilities of what a collaboration can do for them.

"We would like to think that this is a model for big urban medical schools to reach out to smaller and rural-based schools from which they can learn a great deal."

## Readers will choose contest's grand prize photographer

BY ELAINE SMITH

**The judges have** selected the winners for each of the categories in the *Bulletin-eBulletin* photo contest, and the rest is up to our readers.

One among the five lucky still photographers and one videographer will be named the grand prize winner and offered the opportunity to display a selection of photos on the back page of the May 10 issue of *the Bulletin*. You, our readers, are asked to make the choice by voting in our online poll.

From today until Thursday, April 22 at 5 p.m., we'll accept votes online at [www.news.utoronto.ca/the-bulletin-ebulletin-photo-contest.html](http://www.news.utoronto.ca/the-bulletin-ebulletin-photo-contest.html). The most popular image will be declared the winner. One vote per person will be permitted.

To see the winning photographs, simply turn to page 12 of today's issue of *the Bulletin*. You'll see some photos that tell stories and leave the reader wanting more information.

Our travel photo winner is **Arcady Genkin**, CDF systems administrator in the

Department of Computer Science. His photo is a candid scene shot in the airport of Santiago de Cuba, Cuba. The winning campus photo was taken in Robarts Library by **Joanna Baylon**. It is entitled Lights and Triangles and its intent is to reveal the often overlooked beauty of the darks, lights and geometric shapes of an everyday working environment.

People photo winner, U of T Scarborough staff member **Fefe Wong**,

took her photo on the TTC as she was trying to capture interesting aspects of commuters. **Celine Feng**, the winning flora and fauna photographer, took her prize shot on a snowy night at Scarborough Town Centre.

**Sameer Mawani**, marketing and communications co-ordinator at the Factor-Inwentash Faculty of Social Work, took his winning cell-phone photo at the recent 2010 Vancouver Olympics during the final heat of the women's bobsled competition at the Whistler Sliding Centre. It captures movement

beautifully, as does the competition's only video submission shot by **Joseph George**, a program assistant in UTSC's Department of Athletics and Recreation, to celebrate the student support for a new athletic complex on campus ([www.youtube.com/watch?v=qIDXBjobYKc](http://www.youtube.com/watch?v=qIDXBjobYKc)).

The winners were chosen by the *Bulletin* design team — **Caz Ziyatkauskas**, **Diana McNally** and **Johnny Guatto** — from among hundreds of photos submitted by faculty, staff and students from all three campuses.

"We are always amazed by the breadth of talent shown by the U of T community," said Ziyatkauskas, design manager for the Strategic Communications Department. "It's a pleasure to see that so many people are proud of their work and are willing to share it with us."

In addition to being displayed in *the Bulletin* and the *eBulletin*, the winning photographs will be shown on video screens in Simcoe Hall, Hart House and Alumni House (21 King's College Circle) beginning later this month. (See photos on page 12).

## Reading room earns architectural award

BY ELAINE SMITH

**The Ontario** Architects Association has named the renovated **Gerstein Reading Room** a winner of its 2010 award for design excellence. The award-winning projects will be presented May 7 at the OAA's annual conference in Windsor.

The Gerstein Reading Room, housed in the Gerstein Science Information Centre, was renovated and renewed by Diamond and Schmitt Architects. The building dates back to 1892.

While working on the Gerstein Reading Room, architects discovered an attic that enclosed a soaring ceiling, hand-carved trusses, rafters and a dramatic glass skylight that had been concealed since the early 20th-century behind a dropped ceiling. They restored the ornate, neo-Gothic style woodwork and repaired sections of the dramatic 14-metre high ceiling.

The university also replaced the skylight and added a new slate roof.

"We are thrilled to be given

this award," said **Sandra Langlands**, the library's director, noting that it is the third such recognition the library has received for the renovation. "It has been nice to restore the room to a reading room, because it had been a reference room for years and it seemed such a shame."

"Now it has been upgraded and has wireless access and almost any day of the year that you walk through, students are filling it up."

The reading room now includes study space for 100 with new lighting, furniture and shelving. It also offers new graduate and group study space on the second floor of the Heritage Wing.

The restoration was part of a three stage, multi-year undertaking by Diamond and Schmitt that included a library addition, renovations to the main entrance and information commons and the Morrison Pavilion study wing.

"The renovations have allowed us to show off the heritage end of the building again," Langlands said.



# entrepreneurship 101



Sponsored by CIBC, MaRS is offering a free, non-credit introductory course on entrepreneurship that introduces you to the nuts and bolts of building a business.

## UPCOMING SESSIONS

### Creating a Sales and Business Development Strategy

**April 14, 2010, 5:30-6:30pm**

Business-to-business sales are complex but important drivers in the growth cycle of start-ups. This session will help entrepreneurs through the various stages of the sales process to help you more effectively close a sale.

Speaker: Krista Jones, Practice Lead, ICT, MaRS

### Building an Effective Pitch

**April 21, 2010, 5:30-6:30pm**

This dynamic lecture covers all the essentials of building and delivering an effective pitch to help you find financing for your entrepreneurial venture.

Speakers: Mike Polonsky, Senior Vice President, Strategic Design, The Equicom Group

To register for this **FREE** course, visit [www.marsdd.com/ent101](http://www.marsdd.com/ent101)

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## New cyber-espionage report

CONTINUED FROM PAGE 1  
compromised as a result of being copied by Indian officials onto personal computers. The recovered documents also include 1,500 letters sent from the Dalai Lama's office. The profile of documents recovered suggests that the attackers targeted specific systems and profiles of users.

- Evidence of collateral compromise: A portion of the recovered data included visa applications submitted to Indian diplomatic missions in Afghanistan voluntarily

provided by nationals of 13 countries as part of the regular visa application process.

- Command-and-control infrastructure that leverages cloud-based social media services: Documentation of a complex infrastructure, designed to maintain persistence. The infrastructure made use of freely available social media systems that include Twitter, Google Groups and Blogspot, and directed compromised computers to accounts on free web hosting services, and as

they were disabled, to a stable core of command and control servers located in the People's Republic of China.

- Links to Chinese hacking community: Evidence of links between the Shadow network and two individuals living in Chengdu to the underground hacking community in the People's Republic of China.

This investigation is a result of a collaboration between the Information Warfare Monitor and the Shadowserver Foundation.

## U of T earns Best Diversity Employer designation

CONTINUED FROM PAGE 1  
works to identify and remove these barriers," said Carter.

U of T's three-year winning streak is a validation of the university's decision to make equity and diversity university priorities.

"It is gratifying to be recognized for work that is so central to our identity as a university," said Professor **Angela Hildyard**, vice-president (human resources and equity). "We are always

seeking new ways to make this a welcoming place for our diverse workforce and student body."

For instance, in 2008, annual evaluations for professional and managerial staff included — for the first time — a category for assessment of their competence in addressing equity, diversity and inclusivity.

**Jude Tate**, gender and sexual diversity officer, said one of her office's focuses during the past

year has been to communicate with employees about the "difficult impact of overt and covert stereotyping that may exist in workplace settings."

"I am proud of the tremendous contributions so many employees make each day towards creating welcoming and engaging places to work at U of T." (See **Positive Space story** on page 6.)

## LETTERS

### Numbers do not support claim

Although the wealth of Canada may have been seized from aboriginal people, to claim, as does George Elliott Clarke, that this wealth was then "exploited primarily through the labour of Africans" is not correct (Reflections on Black History Month, Feb. 23). In fact there were less than 4,500 "Africadians" who settled on the coast of Nova Scotia between 1783 and 1785 and more than 1,000 of those

decamped for Sierra Leone in 1792. In contrast, nearly 40,000 whites settled during the same time period (John N. Grant, Black Immigrants into Nova Scotia, 1776-1815, *Journal of Negro History*, 58 (1973) 253-270). It is clear that most of the labour to develop Nova Scotia and Canada came from other races and ethnic backgrounds.

JOHN GRAYDON  
CHEMICAL ENGINEERING AND  
APPLIED CHEMISTRY

### Thanks for sharing

I certainly enjoyed reading Wasila Baset's article about her Olympic journey (Dispatches from Vancouver: A volunteer's perspective, Forum, March 23). Having been a pre-Olympic and Olympic volunteer it is always wonderful to relive that most wonderful time of Vancouver's and Canada's 2010 winter. Thank you so much for sharing the experience.

MARYPAT DICKSON  
ALUMNA

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# WORKSHOPS EMPHASIZE ACCOUNTABILITY IN RESEARCH PRACTICES

BY PAUL FRAUMENI

**Accountability** is a familiar term in business, academia and government these days but **Elizabeth DiDonato** believes firmly that accountability needs to move from a buzzword to a robust practice in the conduct of university research.

"Our research in all disciplines at the University of Toronto ranks with the best and most innovative in the world," noted DiDonato, inaugural executive director of the research oversight and compliance office in the office of the vice-president (research). "Business practices related to that research also need to be at the same high level. Governments and the Canadian public have expectations that are higher than ever and they are demanding transparency, accountability and oversight in how we do our work."

This is why DiDonato is launching a series of workshops for U of T researchers and research personnel that reinforces the need for sound and responsible management and oversight of a variety of connected areas related to research that is conducted throughout the university — such as the use of funding provided by government, business and charitable sources, the purchase of equipment, construction of research facilities, use of hazardous materials and clarity in the roles and responsibilities of research staff.

DiDonato joined U of T a year ago from Siemens, where over the course of almost 10 years she held various executive positions. Most recently she was vice-president for the compliance project office at Siemens. She is a graduate of the University of Ottawa's business school, a chartered accountant and a chartered director.

She gave the first workshop March 25 to a group of principals, deans and departmental chairs and will be offering the workshops over the coming months through U of T's Organizational Development and Learning Centre (ODLC).

DiDonato cited the Enron and World Com scandals that rocked the financial world in the early years of this past decade as the key turning point in forcing governments, business and not-for-profit organizations to tighten up their financial management

practices. But she noted that the impact of these scandals has gone further than just accounting.

"Accountability and transparency begin with responsible financial management, but they don't end there. This is really about how organizations do business in general. How do we hire employees and engage suppliers? How do we purchase materials? What is our governance — who is overseeing all this activity? And in the case of U of T, how do we do all this vis à vis our research? We are the largest research institution in the country and with our 10 partner hospitals, we attract well over \$800 million in annual research funding, so we have to show leadership in this regard."

DiDonato added that U of T's primary research investment source — governments and their funding agencies, such as the Canada Foundation for Innovation (CFI) and the federal research granting councils — are expecting universities to adhere to a strict accounting of how public funds are used and they conduct ongoing monitoring and regular audits to ensure universities are complying with government and agency requirements.

"And this is only right. It's not our money — it comes from the public purse and what we do with it has to be accountable to the public by way of our federal and provincial governments."

Her key points in running accountable research:

- \* "Remember — it's not only about the research. It's also about the transactional side. That's why I like to refer to the 'research enterprise.'

- \* "As a principal investigator, you need to direct the research but you may also be the one who holds responsibility for the transactions and behavioural practices that accompany your research."

- \* "Surround yourself with competent people. There is a huge amount of complexity in transacting research. So, those responsible for administrative support should be competent, and in turn, their organization has a responsibility to support them. These roles and responsibilities can only be carried out effectively by a qualified team of people."

For upcoming sessions see, [www.research@utoronto.ca](http://www.research@utoronto.ca) and [www.utoronto.ca/hrhome/odlc/odlc.htm](http://www.utoronto.ca/hrhome/odlc/odlc.htm)

# 40 years ago: U of T scientists key to Apollo 13 rescue

BY PHILIP SULLIVAN

**On April 16, 1970, we were absorbed in the minutiae of a departmental meeting when a secretary interrupted, informing us that Martin Marietta, the builder of the lunar capsule, had called **Barry French** to help with the rescue of Apollo 13. The meeting broke up and French assembled a team of advisers from the University of Toronto Institute of Aerospace Studies (UTIAS) faculty.**

The Apollo craft comprised three modules: a service module providing both life support and rocket thrust for most of the voyage, a lunar excursion module (LEM) to land on the moon and a module for both the voyage and terrestrial re-entry. But when an explosion completely disabled the service module, the LEM became a lifeboat, with its life support and rocket thrust — intended only for lunar landing and return to lunar orbit — becoming essential to the rescue.

Normally the LEM would

have been jettisoned just after completing its mission by severing the tube connecting it to the re-entry module. This tube, which also served as the LEM access tunnel, was to be cut by a ring of explosive located just four inches from the re-entry module's hatch.

To ensure that shock waves from the explosion did not damage the hatch, before detonating the 5 psi (pound-force per square inch) oxygen atmosphere in the tunnel would have been evacuated. The service module's rockets would then have been used to back away from the LEM. But because these rockets were inoperative, NASA's engineers proposed using the oxygen pressure as a spring to jettison the LEM just before re-entry.

A previous incident suggested that retaining the full 5 psi in the tunnel could cause shock damage to the hatch. It was on this point that an engineer at the LEM manufacturer called UTIAS for advice.

With a telephone line held open to allow us immediate access to data on spacecraft geometry, masses and other quantities, we worked in two groups. One used Newton's laws of mechanics to estimate LEM separation speeds attainable with various tunnel pressures. The second group estimated the strength of the pressure pulse generated by the explosive charge. They adapted formulas verified in the first instance by comparisons with photographs of the first atomic explosion at Alamogordo, New Mexico. We concluded that a tunnel pressure of 2 psi would provide sufficient separation speed while minimizing the risk of damage to the re-entry module.

We assumed that other groups were consulted but we subsequently learned that our advice was the main basis for a decision to lower the tunnel pressure and thus to complete a successful rescue.

*Philip Sullivan is an emeritus professor at UTIAS.*

## Fast food closely tied to impatience

BY KEN MCGUFFIN

**Fast food** is not only bad for your body but may also harm your bank account.

Eating habits have shifted dramatically over the last few decades — fast food has become a multibillion dollar industry that has widespread influence on what and how we eat. The original idea behind fast food was to increase efficiency, allowing people to quickly finish a meal so they could move on to other matters.

Researchers at the Rotman School of Management, however, have found that the mere exposure to fast food and related symbols can make people impatient, increasing preference for time-saving products and reducing willingness to save.

"Fast food represents a culture of time efficiency and instant gratification," said Professor **Chen-Bo Zhong**, who co-wrote the paper with colleague **Sanford DeVoe** to be published in a forthcoming issue of *Psychological Science*.

"The problem is that the goal of saving time gets activated on exposure to fast food regardless of whether time is a relevant factor in the context. For example, walking faster is time efficient when one is trying to make a meeting but it's a sign of impatience when one is going for a stroll in the park. We're finding

that the mere exposure to fast food is promoting a general sense of haste and impatience regardless of the context."

In one experiment, the researchers flashed fast food symbols, such as the golden arches of McDonald's, on a computer screen for a few milliseconds, so quickly that



participants couldn't consciously identify what they saw. They found that this unconscious exposure increased participants' reading speed in a subsequent task compared with those in a control condition, even when there was no advantage to finishing sooner.

In another study, participants who recalled a time when they ate at a fast-food restaurant subsequently preferred time-saving products — such as two-in-one shampoo — over regular products. A final experiment found people exposed to fast-food logos exhibited greater reluctance for saving — choosing a

smaller immediate payment rather than opting for a much larger delayed payment.

"Fast food is one of many technologies that allow us to save time," DeVoe said. "But the ironic thing is that by constantly reminding us of time efficiency, these technologies can lead us to feel much more impatience. A fast-food culture that extols saving time doesn't just change the way we eat but it can also fundamentally alter the way they experience our time. For example, leisure activities that are supposed to be relaxing can come to be experienced through the coloured glasses of impatience."

The researchers point out that it's impossible to know whether fast food in part caused the value for time efficiency in our culture or is merely a consequence of it — but it's clear from their findings that exposure to fast food reinforces an emphasis on impatience and instant gratification.

"Given the role that financial impatience played in the current economic crisis," Zhong said, "we need to move beyond counting calories when we examine the consequences of fast food as it is also influencing our everyday psychology and behaviour in a wider set of domains than has been previously thought."

The complete study is available at: [www.rotman.utoronto.ca/newthinking/fastfood.pdf](http://www.rotman.utoronto.ca/newthinking/fastfood.pdf).

## Show of hands for positive space

BY JENNIFER LANTHIER

**I**t took only minutes for staff and faculty to turn the staid corridors of Simcoe Hall into an artist's atelier, creating colourful murals in support of lesbian, gay, bisexual, transgendered and queer colleagues and students.

But the message they sent will leave a lasting image, said **Sara-Jane Finlay**, director of academic human resources in the office of the vice-president and provost and co-chair of the Positive Space committee.

"Something like this is a bit out of character for Simcoe Hall but people reacted enthusiastically and I saw delight on many faces," Finlay said. "It was a good way to raise awareness of Positive Space."

Faculty arriving at the Governing Council Chamber March 25 for a meeting of principals, deans, academic directors and chairs were met with blank canvases and pots of paints — along with an invitation to put their personal stamp of approval to the Positive Space campaign with their painted handprints. A university-wide committee, Positive Space raises visibility and awareness of sexual and gender diversity across all campuses and seeks to create a welcoming environment free of discrimination.

"It's like finger painting," said Chief Librarian **Carole Moore** as she daubed paint on her gloved hand before pressing it onto the canvas. "I haven't done this in a while."

For Professor **Carol Rolheiser**, director of the Centre for Teaching Support and Innovation, the event evoked memories of teaching elementary school children early in her career.



She used a marker to add the phrase "A space for all!" to her painted handiwork.

"This brings back the joy of expressing ideas through artistic endeavours," Rolheiser said, "and I think this communicates messages we all care about."

Professor **Angela Hildyard**, vice-president (human resources and equity), painted an abstract design on her hand, while Brian Alexic from the Governing Council office opted for a minimalist approach, coating only his fingertips with bright blue paint.

U of T has been very supportive of the Positive Space campaign, Finlay said. And although some might feel their support for LGBTQ colleagues goes without saying, the campaign is a way of reminding people to speak up.

"Sometimes I think, we put up the Positive Space stickers and the posters and when you see them all the time, they almost become part of the wallpaper," said Finlay. "This is a way of getting people thinking."

The Simcoe Hall canvases will become part of a collection that includes six similar murals painted by students in February. A selection of the artwork was slated to be exhibited in the second-floor study lounge at Robarts Library and Finlay has already received requests from various groups to display the murals.

## U of T finalist for Green Toronto Awards

BY JENNIFER LANTHIER

**L**ike signs of spring creeping across campus, the gradual greening of U of T is attracting attention — earning the university a spot as one of three finalists in the 2010 Green Toronto Awards for energy conservation.

And it only took a few decades of innovation and dedication.

"There has been a strong culture of conservation here for a very long time — as the result of hundreds of conservation projects, we've avoided over a million tons of greenhouse gas since 1973," said **Ron Swail**, assistant vice-president (facilities and services). "Back in 1977, the university created a full-time professional engineer position exclusively dedicated to energy conservation."

"We've been doing this much longer than most universities — our recycling program is one of the most comprehensive and effective of any university in North America with a diversion rate over 65 per cent," he said. "But do we want to do more? Absolutely."

Individuals, groups and companies from across Toronto comprise the 27 finalists in nine categories of environmental excellence, including areas such as green design and water efficiency. The city will announce the winners at a ceremony April 23.

A number of the university's innovative programs and policies were already in place when it was nominated for the same award three years ago but many

key programs are new. They include institutional changes such as replacing water cooled air-conditioning units with high-efficiency air conditioners and working with students and researchers to lower laboratory fume hoods when not in use, as well as supporting individual efforts such as recycling cellphones or lugging coffee mugs.

"The installation of the solar thermal panels at the Athletic Centre was a major feature of our nomination," Swail said. "And then there's all the work we've done on lighting retrofits and bulb replacements."

People may not have noticed the lighting changes that will yield substantial energy and cost savings. In 2007, the Ban the Bulb program prohibited the purchase of incandescent bulbs and in 2008, facilities and services replaced approximately 86,000 indoor lamps with more efficient T8 fluorescent lamps. Then they turned their gaze outdoors, to LED and induction lighting.

Government incentives helped fund some of the larger projects but most of the university's energy conservation continues to be funded through its operating budget.

"We undertake these operational changes because it's the right thing to do and it saves money, money that can go to supporting the academic mission," Swail said. "And the side benefit is that it makes you feel good knowing you are contributing to a more sustainable environment."

**"Our recycling program is one of the most comprehensive and effective of any university in North America."**

— Ron Swail

assistant vice-president [facilities and services]

## Pharmacists bring teaching skills to Ethiopia

BY KARLA WOBITO



**Professor Heather Boon of pharmacy shops in a colourful Addis Ababa market.**

countries, they were not returning home once they graduated.

"A lot of people we talked to said, I don't necessarily want to leave Ethiopia, it is my country, but they don't have the training here and once I've moved to another country, established a life and met a significant other then I don't have any pull to go back," Boon said.

Faculty such as Boon, Professor **Heiko Heerklotz** and Professor **Rob**

is to train PhD-level pharmaceutical scientists. We are teaching them to be university professors or researchers."

Macgregor believes that the project will lead to great things for Ethiopia but explained that the goals will not be met overnight.

"What they are doing is very, very ambitious," said Macgregor. "They are getting there; it's just going to take time."

This program is one of many in the Toronto Addis Ababa Academic Collaboration (TAAAC), which is co-ordinated by Professor **Clare Pain**, one of the initiators of the collaboration's first program, the Toronto Addis Ababa Psychiatry Project.

Pain has been delighted to see that the interest in TAAAC has spread throughout U of T. Other faculties, including nursing and engineering, are also involved.

Though lots of U of T faculty are lending their support with these projects abroad, Pain noted that TAAAC is still in need of help back at the home base. Those interested in volunteering should contact Clarissa Oleksiuk at clarissa.oleksiuk@utoronto.ca.

**U of T  
volunteers**

# VOLUNTEER STORMS THE RAMPARTS

BY JENNIFER LANTHIER

If librarian Susanne Tabur seems vaguely familiar, you may be someone who likes to hang out at the Gerstein Science Information Centre. Or you may just be an opera buff with a keen eye.

"It was the summer of 88 or 89 when I heard a public service announcement on the radio about being an extra for the Canadian Opera Company," said Tabur. "I went down and lined up with about 500 other people and they picked me."

Tabur volunteered as an extra with the COC for about 10 years — her only compensation the cab fare home after rehearsals and performances — and said it was a rewarding experience, given her "extraordinary passion" for music. She remembers being reduced to tears at the first dress rehearsal of Francis Poulenc's *Dialogue of the Carmelites*, watching the nuns walk to their deaths during the final scene.

Yet, being onstage behind the singers meant Tabur couldn't always hear the singing or the orchestra. And the music piped backstage through a tinny speaker was hardly high fidelity.

"But I was able to indulge my passion for fancy dress," Tabur said. "Where else can you be a beggar or lady's maid or a French revolutionary storming the ramparts and knitting at the Bastille?"

Tabur relished the challenge of the quick change, moving from a demurely clad maid at the start of Giacomo Puccini's *Manon Lescaut* to a prostitute in later scenes, dressed in yellow silk and red stockings. She also enjoyed the challenge of acting soundlessly — except when the extras were required to mime laughter in Verdi's *Rigoletto*.

"We were supposed to laugh as the curtain went up — and that was hard," Tabur recalled. "Have you ever had to laugh for a whole minute, when there's nothing funny?"

One night during *La Bohème*, Tabur sensed a commotion as she trundled her candy-seller's wagon across the stage, flirting with the chestnut vendor.

The tenor Richard Margison was playing Rodolfo and bought a hat for his Mimi but then forgot it," Tabur said. "The extra who was running the hat shop was a veteran of about 20 years and she had the wit to follow him out of the shop and decorously present the hat to him."

When the extras gathered backstage after the scene, the stage manager delivered a heartfelt thank you to the extra "for saving Act 1," said Tabur.

After taking a break from volunteering for a few years, Tabur is now training to record and read aloud for the Canadian National Institute for the Blind. Applicants must undergo rigorous testing before the CNIB will allow them to volunteer but after 10 weeks of training she is "cautiously optimistic" about her chances.

"I'm surprised at how much fun it is," Tabur said. "With the Canadian Opera Company, you just had to show up and follow instructions."

What motivates people such as Tabur to volunteer isn't exactly clear but, across North America, scholars are examining different pieces of the generosity puzzle, exploring the role of everything from genes to religion.

**Vanessa Bohns**, a post-doctoral fellow at Rotman School of Management, conducts research into what makes people help or not help others.



Susanne Tabur, a librarian at the Gerstein Science Information Centre, is also a dedicated volunteer who has trod the boards as an opera extra.

"There are two major reasons for not helping," said Bohns, "first, that people aren't asked and so don't know that someone needs help and second, that they don't know how to help."

In *Caring Canadians, Involved Canadians — Highlights From the 2007 Canada Survey of Giving, Participating & Volunteering*, researchers with Statistics Canada and Imagine Canada reported lack of time was the most common reason people gave for never volunteering or for not volunteering more hours. But 44 per cent of non-volunteers and 30 per cent of volunteers blamed not being asked and another 24 per cent of non-volunteers and 15 per cent of volunteers cited "didn't know how to get involved" as their excuse.

"A lot has to do with social norms," said Bohns. "And in North America there is a kind of social norm that suggests if a situation is ambiguous

and a person doesn't need help but you offer it that situation could get awkward. People worry about giving offence."

A recent study also suggests that people who are in a position to help others often assume that anyone who needs help will simply ask for it, she said.

"They don't take into account all the reasons why someone might not ask for help," said Bohns.

A serious reader, Tabur was well aware of the CNIB's needs and even knew someone who had volunteered as a reader years ago. As for the COC, its radio call for help was pretty clear — and the process of applying was straightforward.

"They made us walk across the space," said Tabur. "They measured us — shoe size, head circumference — and they chose based on the costumes they needed to fill."

## Service-learning flourishes at Innis

BY JENNIFER LANTHIER

### Civility matters.

That's just one of the findings of urban studies undergraduates who took to the streets of Toronto recently for a stint of service learning, thanks to a grant from the Faculty of Arts and Science.

"We study the concept of civility in class," said **Aya Al Kabarity**, one of four students assigned to social services agency Dixon Hall. "And we found that many of the people who use the services of Dixon Hall become volunteers afterward because their experience was so positive, because of that sense of inclusivity and equality and their perception that Dixon Hall was truly interested in their well-being."

Al Kabarity made the comments at a recent poster session, where students of INI235Y, a gateway course for urban studies, discussed how their curriculum came to life when they had the chance to work with civic agencies and charities. The effectiveness of civility and importance of sensitivity when working with poor and underprivileged people were findings echoed by most of her peers.

"This provided concrete examples of what we're studying," said **Erin Kang**, who helped at Evangel Hall's Out of the Cold program. "We study homelessness but it's hard to grasp the scope of the problem until you're there and you see how socially marginalized these people are."

For instructor **Shauna Brail**, director of urban studies' experiential learning program, service-learning was a way to give students greater access to her and to each other. Using a grant from the Curriculum Renewal Initiative Fund, Brail structured the course so that students could choose between service and traditional research.

**"THIS IS A WAY OF ACHIEVING AN  
INTEGRATION OF THEORETICAL  
LEARNING AND EXPERIENTIAL  
LEARNING."**

**PROFESSOR ANNE-MARIE BROUSSEAU**

The result was money well spent, said Professor **Anne-Marie Brousseau**, associate dean (undergraduate academic programs) at the Faculty of Arts and Science.

"A lot of our students volunteer but don't have the chance to reflect and link back to the concepts they're learning in the classrooms," said Brousseau. "This is a way of achieving an integration of theoretical learning and experiential learning."

Fifty-six of the 87 students enrolled opted for service-learning and were placed individually or in

small groups at nine different organizations, where they worked alongside staff and volunteers while documenting and reflecting on their experiences in journals.

"I read a student's journal last week and he described having to wash dishes and how it made him realize how sheltered he'd been because he'd never really had to wash dishes before and it took him an hour to wash the macaroni pot," said Brail. "But this isn't about students recognizing they're privileged, it's about making connections with what they've studied in class, experiencing what it's like for people living in neighbourhoods in transition, seeing the gentrification of places like Parkdale."

Just talking with homeless people was enough to demonstrate some of the course teachings, said second-year student **Leila Khaze**.

"These are very socially isolated people and many don't have family or friends so they're very lonely," Khaze said. "And because they are so segregated, they can't form strong ties with people who might be able to help them; they end up forming only weak ties with each other."

Most students worked with charities and social services agencies but some conducted park surveys for city councillor Paula Fletcher.

"We'd just read about Arnstein's ladder of citizen engagement," said student **Joel Leon**. "So it was really interesting to see how people felt about being surveyed, how skeptical they were about the possibility that anything would come of it."

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Maitland St. (Wellesley and Jarvis). 416-570-2957.

**Psychoanalysis & psychoanalytic psychotherapy** for adolescents, adults, couples. U of T extended health benefits provide coverage. Dr. Klaus Wiedermann, Registered Psychologist, 1033 Bay St., ste. 204, tel: 416-962-6671.

**Dr. Cindy Wahler**, Registered Psychologist. Yonge/St. Clair area. Individual and couple psychotherapy. Depression, relationship difficulties, women's issues, health issues, self-esteem. U of T extended healthcare plan covers psychological services. 416-961-0899. cwahler@sympatico.ca

**Dr. Carol Musselman**, Registered Psychologist. Psychotherapy for depression, anxiety, trauma and other mental health needs, relationship problems, issues related to gender, sexual orientation, disability. Covered by extended health plans. 455 Spadina (at College), #211. 416-568-1100 or cmusselman@oise.utoronto.ca; www.carolmusselman.com

**Sam Minsky, PhD** (Registered Psychologist). Individual and couple psychotherapy and counselling covered under U of T extended health plan. Close to downtown campus. 647-209-9516. sam.minsky@sympatico.ca

### Miscellany

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#### Peril and Danger to Her Majesty:

*The Sectarian Context of the Suppression of Biblical Drama in England, 1568-80.*

(A Prologue to the production of the Chester Cycle at Victoria University, May 21-24, 2010)

#### Prof. Alexandra Johnston

Records of Early English Drama



Alumni Hall, Old Vic

Monday, April 19, 7:30 p.m.

### The Ninth Annual Frederic Alden Warren Lecture

John W. Graham Library, Trinity College  
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BRIAN BOYD

UNIVERSITY  
DISTINGUISHED PROFESSOR,  
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## LECTURES

**Seeing Brains Think; Brain Imaging: Face Recognition and Deception.**  
**Wednesday, April 14**  
 Prof. Hugh Wilson, York University. Innis College Town Hall. 10:30 a.m. Members free, non-members \$6. *Academy for Lifelong Learning*

**Mapping the Contours: Women's Labour in Canada's Adult ESL Industry.**  
**Wednesday, April 14**  
 Biljana Vasilevska, Centre for Addiction & Mental Health. 2-227 OISE, 252 Bloor St. W. Noon to 1:30 p.m. *Women's Studies in Education*

**Managing Without Growth, Slower by Design, Not Disaster.**  
**Wednesday, April 14**  
 Prof. Peter Victor, York University. Combination Room, Trinity College. 1 p.m. *Sigma Xi, U of T Chapter*

**Observations on the Science of Finance in the Practice of Finance: Past, Present and Future.**  
**Thursday, April 15**  
 Prof. Robert Merton, Harvard Business School; Nathan & Beatrice Keyfitz lecture in mathematics and social science. 116 Bahen Centre for Information Technology. 6 p.m. *Fields Institute for Research in Mathematical Sciences*

**Stacks of Stories, Stories of Stacks.**  
**Thursday, April 15**  
 Prof. Brian Boyd, University of Auckland; Frederic Alden Warren lecture. George Ignatoff Theatre, 15 Devonshire Place. 8 p.m. *John W. Graham Library, Trinity College*

**Peril and Danger to Her Majesty: The Sectarian Context of the Suppression of Biblical Drama in England, 1568-80.**  
**Monday, April 19**  
 Prof. Em. Alexandra Johnston, Records of Early English Drama. Alumni Hall, Old Victoria College Building. 7:30 p.m. *Friends of Victoria University Library*

**Why Architecture Matters.**  
**Wednesday, April 21**  
 Christopher Hume, *Toronto Star*. Innis College Town Hall. 10:30 a.m. Members free, non-members \$6. *Academy for Lifelong Learning*

**Paint, Print and Propaganda: The Vatican Library and the Roman Press Under Sixtus V.**  
**Wednesday, April 21**  
 Prof. Paul Nelles, Carleton University; annual Boyle lecture. 400 Alumni Hall, St. Michael's College, 121 St. Joseph St. 4 p.m. *Pontifical Institute of Mediaeval Studies*

**Boccaccio e il fantastico.**  
**Monday, April 26**  
 Elisabetta Menetti, Università di Modena e Reggio Emilia. Madden Auditorium, St. Michael's College, 100 St. Joseph St. 4 p.m. *Emilio Goggio Chair in Italian Studies*

**What's the Connection?**  
**Wednesday, April 28**  
 Stephen Ralls and Bruce Ubukata, The Attenburgh Connection. Innis College Town Hall. 10:30 a.m. *Academy for Lifelong Learning*

**'Rome was in ruins': Transatlantic Urbanism in Heller's *Catch-22*.**  
 Spencer Morrison, doctoral candidate, English. 108N Munk Centre for International Studies. 2 to 4 p.m. *Study of the United States*

**A Virtual Third Chamber for the EU? National Parliaments Under the Treaty of Lisbon.**  
**Wednesday, April 14**  
 Prof. Ian Cooper, University of Oslo. 108N Munk Centre for International Studies. Noon to 2 p.m. Registration: webapp.mcis.utoronto.ca. *European, Russian & Eurasian Studies and Joint Initiative in German & European Studies*

## SEMINARS

**Ethical Issues Raised in Research Involving Human Biological Specimens From Developing Countries.**  
**Wednesday, April 14**  
 Claudia Emerson, McLaughlin-Rotman Centre for Global Health. 754 Health Sciences Building. 3 to 4:30 p.m. *Joint Centre for Bioethics*

**Evolution of Scrambled CIS-Regulatory Sequences.**  
**Friday, April 16**  
 Prof. Justin Fay, Washington University. 432 Ramsay Wright Building. 2 p.m. *Cell & Systems Biology*

**Climate Wise Women.**  
**Friday, April 16**  
 Keynote speaker: Prof. Dorothy Goldin Rosenberg, OISE; moderator: Prof. Sarah Wakefield, geography; panel: Danny Harvey, geography; Joan Baxter, author, journalist and anthropologist. 1160 Bahen Centre for Information Technology. 5 to 6:30 p.m. *Environment*

**Internationalization of Higher Education in Ukraine: In a Search of Effective Partnership Paradigm.**  
**Monday, April 19**  
 Li Bennich-Bjokman, Uppsala University, Sweden; Sergiy Kurbatov, Academy of Pedagogical Sciences of Ukraine. 108N Munk Centre for International Studies. Noon to 2 p.m. Registration: webapp.mcis.utoronto.ca. *European, Russian & Eurasian Studies, OISE and Petro Jacyk Program for the Study of Ukraine*

**Regulators of Gli Transcription Factors in Development and Cancer.**  
 Prof. Chi-chung Hui, molecular genetics. 2172 Medical Sciences Building. 4 p.m. *Laboratory Medicine & Pathobiology*

**The New German Government: Challenges and Perspectives.**  
**Monday, April 19**  
 Prof. Simon Green, Aston University. 108N Munk Centre for International Studies. 5 to 7 p.m. Registration: webapp.mcis.utoronto.ca. *European, Russian & Eurasian Studies and Joint Initiative in German & European Studies*

**A Global Crisis of Development: Responses and Responsibilities.**  
**Wednesday, April 21**  
 Speaker: Ananya Mukherjee-Reed, York University; panellists: Leith

Dunn, University of West Indies; Pablo Heidrich, North-South Institute; Bill Morton, North-South Institute; moderator: Roy Culpeper, North-South Institute. Vivian & David Campbell Conference Facility, Munk Centre for International Studies. 2 to 4 p.m. Registration: webapp.mcis.utoronto.ca. *North-South Institute*

**Homeostatic Control of Sleep: On the Trail of the Brain Elixir of Sleep.**  
**Friday, April 23**  
 Prof. Robert McCarley, Harvard Medical School. 432 Ramsay Wright Building. 2 p.m. *Cell & Systems Biology*

**Public Man, Private Woman?**  
**Monday, April 26**  
 Prof. Don Herzog, University of Michigan Law School. 200 Gerald Larkin Building, 15 Devonshire Place. 3 to 5 p.m. *Ethics*



## MEETINGS & CONFERENCES

**House Calls: Blazing a New Way to Achieve Quality of Life.**  
**Wednesday, April 21**

House Calls With My Camera, Prof. Mark Nowaczynski, family and community medicine; Sounds Good on Paper – but How Do You Actually Get It? Rationing Home Care in Quebec, Prof. Nancy Guberman, University of Quebec at Montreal; The Challenges of Documenting Innovation, Prof. Sheila Neysmith, social work; The Power of the Media in Highlighting Social Issues, Andy Barrie, former host of CBC Radio's Metro Morning. George Ignatieff Theatre, 15 Devonshire Place. 8:30 a.m. to 2 p.m. Details and registration: fund.fsw@utoronto.ca or 416-978-4437. *RBC Chair in Applied Social Work and RBC Chair in Public & Economic Policy*

## EXHIBITIONS

**DORIS McCARTHY GALLERY**  
**U OF T SCARBOROUGH**  
**Peter Smith:**  
*You May Find Yourself.*

## To April 14

Peter Smith's assemblages unite throwaway culture with aspirations for comprehension and generate a demonstrated curiosity that compels creativity; organized in partnership with the Robert McLaughlin Gallery. Curated by Ann MacDonald.

## Status Update.

**April 28 to May 19**  
 Master of visual studies curatorial studies thesis exhibition. Work by Cheryl Sourkes, Melanie Lowe, Jennifer Marman and Daniel Borins, Annie Onyi Cheung, Robert Lendrum; curated by Shauna Thompson. Gallery hours: Tuesday to Friday, 10 a.m. to 4 p.m.; Saturday and Sunday, noon to 5 p.m.

## U OF T ART CENTRE

**More Than Flesh: The Embodiment of Abstraction.**  
**To April 17**

Presenting works from the U of T collection, this exhibition explores ideas of the body as an unknown and mysterious place in which reason, culture, experience, emotion and spirituality are inseparably intertwined with the organic quality of the human condition; curated by Valentine Moreno. Laidlaw Wing, University College. Gallery hours: Tuesday to Friday, noon to 5 p.m.; Saturday, noon to 4 p.m.

**THOMAS FISHER RARE BOOK LIBRARY**  
**Caterpillars and Cathedrals: The Art of Wenceslaus Hollar.**  
**To April 30**

Prints and book illustrations by printmaker Wenceslaus Hollar; curated by Anne Thackray. Hours: Monday to Friday, 9 a.m. to 5 p.m.

**ACADEMIC RETIREE CENTRE**  
**Vernissage.**  
**To April 30**

Art show by Prof. Em. Denis Bouchard; seven original works, painted in watercolour, acrylics and oils. Suite 412, 256 McCaul St. Hours: 9 a.m. to 5 p.m.

**ROBARTS LIBRARY**  
*Beyond the White Wedding: Reinventing Tradition.*

**To May 14**  
 The white wedding is a tradition practised by many but its origins are known by few. This exhibition explores the modern interpretations of this

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tradition, told through the wedding stories of selected couples and invites you to discover the history of the white wedding and uncover for yourself the significance behind the tradition; mounted by Thomas Kessler, Marla Dobson and Nicola Jago. First floor exhibition area. Hours: Monday to Friday, 8:30 a.m. to 11 p.m.; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.

**REGIS COLLEGE****Devotio Modera: Perspectives on the Sacred.****To May 17**

An exhibition of modern religious works by artists Galina Oussatcheva and Farhad Norgol-O'Neill. Atrium. Hours: Monday to Thursday, 8:30 a.m. to 8:30 p.m.; Friday, 8:30 a.m. to 4 p.m.; Saturday, 11 a.m. to 6 p.m.

**MISCELLANY****Centre for Environment Research Day.****Thursday, April 22**

Presentations by faculty and students. Topics include greenhouse gas

**COMMITTEES****Chair, Department of Spanish & Portuguese**

A search committee has been established in the Faculty of Arts & Science to recommend a chair of the Department of Spanish & Portuguese. Members are: Professors Meric Gertler, dean, Faculty of Arts & Science (chair); Suzanne Stevenson, vice-dean (teaching and learning); Brian Corman, dean, School of Graduate Studies and vice-provost (graduate education); Diane Massam, linguistics; and Josiah Blackmore, Laura Colantoni and Susan Antebi, Spanish and Portuguese; and Blanca Talesnik, administrative staff, Spanish and Portuguese; Anna Limanni, graduate student, and David Andres Fernandez, undergraduate student, Spanish and Portuguese; and Vera Melnyk, office of the dean (secretary).

The committee would appreciate receiving nominations and/or comments from interested members of the university community. These should be submitted to Professor Meric Gertler, dean, Faculty of Arts & Science, Room 2005, Sidney Smith Hall, officeofthedeancartsci@utoronto.ca, by April 16.

emissions from global cities, world carbon markets, environmental justice and community gardens, environmental stewardship, bioremediation, energy conservation, bio-based composite manufacturing and wind farms. Faculty Club, second floor. 10 a.m. to 3:30 p.m. Details and registration: [www.environment.utoronto.ca/ResearchDay.aspx](http://www.environment.utoronto.ca/ResearchDay.aspx).

**Rehabilitation Sciences****Clinical Education Day****Research Showcase.****Wednesday, April 28**

Clinical education workshops, 8:30 a.m. to noon. Research showcase: rehab research slide presentation, 1 p.m.; introduction and welcome remarks, 1:15 p.m.; annual update presentation, 1:30 p.m. Dr. Samantha Nutt, keynote speaker, 1:45 p.m.; poster session and wine and cheese, 3 p.m. Auditorium, Medical Sciences Building. 1 to 4:30 p.m. Information: [www.rehab.utoronto.ca](http://www.rehab.utoronto.ca); registration: <http://app1.rehab.utoronto.ca/rssresearchday>.

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**Wednesday, April 21, 2010 8:30 am – 2:00 pm**  
**George Ignatieff Theatre, 15 Devonshire Place**

**TOPICS****House Calls with My Camera**

Dr. Mark Nowacynski

(Clinical Director, House Calls; Department of Family and Community Medicine, University of Toronto)

Sounds good on paper — but how do you actually get it? Rationing home care in Québec  
Professor Nancy Guberman (UQAM)

**The Challenges of Documenting Innovation**

Professor Sheila Neysmith

(Factor-Inwentash Faculty of Social Work, University of Toronto)

**The Power of the Media in Highlighting Social Issues**

Andy Barrie

(former host of CBC Radio One's Metro Morning)

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## 12. PHOTO CONTEST

TUESDAY, APRIL 13, 2010 • UNIVERSITY OF TORONTO BULLETIN

# Winners of *the Bulletin-eBulletin* photo contest

We were impressed with the overall abundance and quality of pictures submitted. While many were beautifully shot and cropped, the winning shots we chose were those that told a story.

The winning video, by Joseph George, a program assistant at UTSC's Department of Athletics and Recreation is available online at [www.youtube.com/watch?v=qIDXBjobjYKc](http://www.youtube.com/watch?v=qIDXBjobjYKc).

Vote for one of these photos (or our winning video) for grand prize winner by visiting <http://www.news.utoronto.ca/the-bulletin-ebulletin-photo-contest.html> by Thursday, April 22 at 5 p.m. See the story on page 3 for more details.



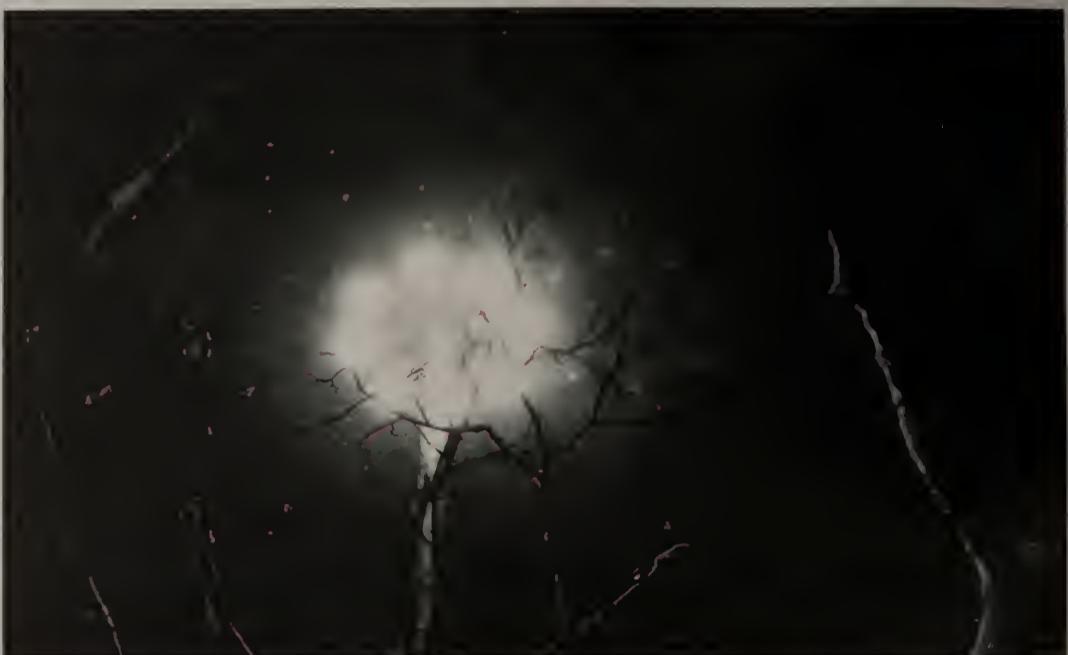
### ▲ Travel

Taken by Arcady Genkin, CDF systems administrator in the Department of Computer Science. A strange, compelling travel story — destination unknown, a nicely painted arch leads the viewer's eye straight to the wheels of the airplane, the wing and the windows above. The flight attendant waits on the opposite side of the plane, her head obscured. It's mildly eerie and abstract.



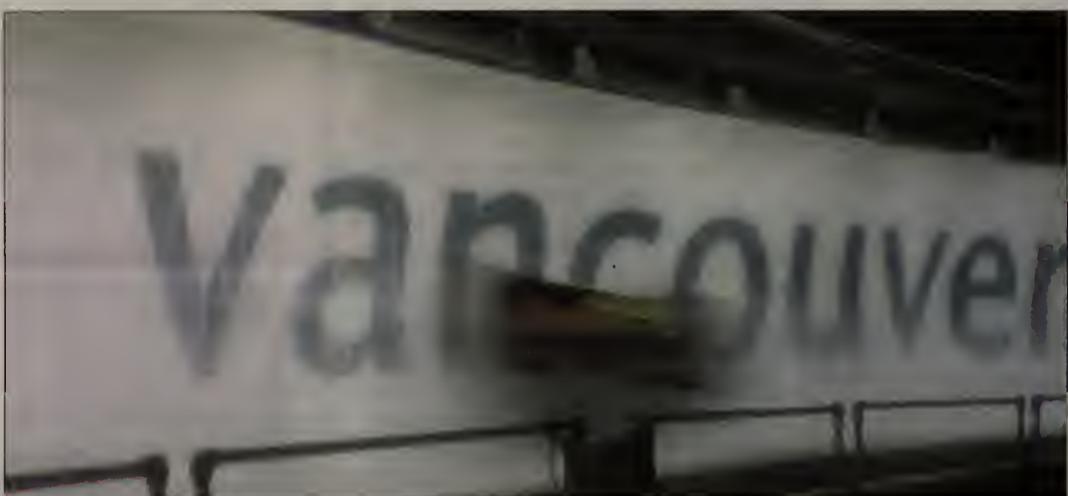
### ▲ Campus

Taken by Joanna Baylon. Serene, organized, and visionary — these quintessential elements of a university were captured in Robarts Library, a building that is notoriously difficult to photograph. The use of the space is implied — it could be anything from business boardroom to humanities seminar to employee coffee break.



### ▲ Flora & Fauna

Taken by Celine Feng. The inanimate lamp post with its glowing lights seems like a spacecraft hovering above the branches. After looking at this picture for a few moments one can see the shape of a seed pod referenced in the lights — very clever and mysterious. Not your average blossom picture.



### ▲ Cellphone

Taken by Sameer Mawani, communications and marketing co-ordinator, Factor-Inwentash Faculty of Social Work. Very timely to get this particular shot at the Olympics depicting the speed of the sport and the location of the event's host.

### ▼ People

Taken by Fefe Wong, a human resources staff member at U of T Scarborough. This clever photograph captures the intent of the subject without showing a wink or a stare. We instantly recognize the flight attendant on her way to or from work in sensible shoes and skirt with bags at hand's reach. It's provocative but plain at the same time. We enjoyed the notion that she works on an airline but travels by public transit.

